

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	jp-60213318-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 07:45
S2	2	jp-11010235-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 07:45
S3	2	jp-09085349-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 09:15
S4	12	((("5342276") or ("5451195") or ("5882285") or ("6701208") or ("6937920") or ("6959573")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 09:21
S5	2	("6656099").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 09:40
S6	2	("20030064871").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 09:41
S7	1	jp-07100540-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 09:44
S8	1	jp-07047129-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 09:54
S9	519	shimizu-masayuki\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 10:52

S10	20	S9 and ((bend\$4) or (press\$4 near3 brake))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 10:53
S11	0	("2007/0271987").URPN.	USPAT	OR	ON	2010/09/01 10:53
S12	2	("20070271987").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 10:54
S13	1	2005-057938.NRAN.	DERWENT	OR	ON	2010/09/01 10:54
S15	88	ikeda-hidekatsu\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 10:57
S16	84	S15 not S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 10:57
S17	104	S15 or S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 11:05
S18	31	okubo-takanori\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 11:05
S19	24	S18 not S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 11:05
S20	3	kammuri-akio\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 11:17
S21	128	S18 or S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 11:17
S22	0	S20 not S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 11:17
S23	7	uto-hisashi\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 11:18

S24	2	S23 not S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 11:18
S25	130	S23 or S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 11:18
S26	140	(483/28).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 12:30
S27	113	(483/29).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 12:30
S28	125	S26 not S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 12:55
S29	24	("2302958" "3147791" "3359771" "3495435" "4089198" "4112731" "4532792" "4660402").PN. OR ("4930332").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/01 13:03
S30	5	("4653307" "4930332" "5927134" "5941116" "6578403").PN. OR ("7213438").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/01 13:04
S31	2	ep-577068-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:05
S32	5	("4930332" "5168745" "5828575" "5983688" "6151947").PN. OR ("6758797").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/01 13:07
S33	1	ep-392795-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:08
S34	2	("5134873").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 13:08

S35	1	jp-55045288-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:08
S36	0	jp-57037408-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:08
S37	0	jp-59088273-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:09
S38	1	jp-05007936-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:09
S39	1	jp-05187815-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:09
S40	1	jp-06304660-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:09
S41	1	jp-63021932-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:10
S42	2	jp-07275941-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:10
S43	2	jp-08318317-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:10
S44	2	jp-09108738-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:11
S45	2	jp-10225724-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:11

S46	2	jp-11000718-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:12
S47	1	wo-9801243-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:12
S48	7	("4532732" "4660402" "4722214" "4930332").PN. OR ("5642639").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/01 13:15
S49	2	("20070271987").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 13:16
S50	7	("4532732" "4660402" "4722214" "4856315" "4930332" "5642639" "5775156").PN. OR ("5934134").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/01 13:25
S51	93	(US-20070271987-\$ or US-20090120156-\$ or US-20090024246-\$ or US-20080066510- \$ or US-20070191199-\$).did. or (US- 6959573-\$ or US-6937920-\$ or US- 5882285-\$ or US-5451195-\$ or US- 7392678-\$ or US-7007530-\$ or US- 6796155-\$ or US-6823708-\$ or US- 7029429-\$ or US-6886386-\$ or US- 6843760-\$ or US-6780145-\$ or US- 6758797-\$ or US-6656099-\$ or US- 6416449-\$ or US-6024681-\$ or US- 5894754-\$ or US-5410904-\$ or US- 5366431-\$ or US-5330409-\$ or US- 5168745-\$ or US-5134873-\$ or US- 4945629-\$ or US-4680955-\$ or US- 4656861-\$ or US-4581917-\$).did. or (US- 4530148-\$ or US-4188815-\$ or US- 4020668-\$ or US-3834218-\$ or US- 4304041-\$ or US-4387502-\$ or US- 3241345-\$ or US-3234648-\$ or US- 7632224-\$ or US-6497642-\$ or US- 6419614-\$ or US-6047579-\$ or US- 5755653-\$ or US-5727415-\$ or US- 5619913-\$ or US-5582062-\$ or US-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/09/01 13:41

		5458057-\$ or US-5364328-\$ or US-537594-\$ or US-5219319-\$ or US-5121538-\$ or US-4930332-\$ or US-7213438-\$ or US-5941116-\$ or US-5927134-\$ or US-5983688-\$ or US-5996389-\$).did. or (US-5934134-\$ or US-5775156-\$ or US-5642639-\$ or US-6170314-\$ or US-4722214-\$ or US-4660402-\$ or US-4532792-\$ or US-5313814-\$ or US-4112731-\$ or US-4089198-\$ or US-3359771-\$ or US-2302958-\$ or US-3995470-\$ or US-3945230-\$ or US-3921887-\$ or US-3841141-\$ or US-3157283-\$).did. or (EP-1658908-\$ or EP-1563921-\$ or EP-577068-\$ or DE-3833072-\$ or DE-3830488-\$).did. or (JP-2003225710-\$ or JP-2001205338-\$ or JP-11000718-\$ or JP-05007936-\$ or JP-06304660-\$ or JP-07275941-\$ or JP-09108738-\$ or JP-10225724-\$ or JP-06234018-\$ or JP-06142814-\$ or JP-06007851-\$ or JP-56011127-\$).did. or (JP-08318317-\$).did.				
S52	7	jp-07100540-\$).did. or jp-09085349-\$).did. or jp-11010235-\$).did. or jp-2001150032-\$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:45
S53	1929	B23Q003/155.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:45
S54	2751	B23Q003/157.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:45
S55	2852	B23Q3/157.cipg.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:45
S56	3845	B23Q3/155.cipg.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:45

S57	9227	S53 or S54 or S55 or S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:46
S58	433	S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S10 or S12 or S15 or S18 or S20 or S23 or S26 or S27 or S29 or S30 or S31 or S32 or S33 or S34 or S35 or S38 or S39 or S40 or S41 or S42 or S43 or S44 or S45 or S46 or S47 or S48 or S49 or S50 or S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:47
S59	33	S57 and (press\$4 near3 brake)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:47
S60	22	S59 not S58	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:48
S61	455	S59 or S58	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:51
S62	179	S57 and bend\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:51
S63	153	S62 not S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 13:51
S64	128103	"72"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:04
S65	47362	S64 and (press\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:04
S66	4808	S65 and (((punch\$4 or die or tool\$4) near3 (exchang\$5 or interchang\$5 or replac\$5 or chang\$5)) or ATC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:05

S67	4961	S65 and (((punch\$4 or die or tool\$4 or mold\$4 or mould\$4) near3 (exchang\$5 or interchang\$5 or replac\$5 or chang\$5)) or ATC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:05
S68	923	(72/478).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 14:06
S70	608	S61 or S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:07
S71	908	S68 not S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:07
S72	257	S71 and press\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:09
S73	19	("0271178" "3323348" "3474657").PN. OR ("5878619").UPFN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/01 14:12
S76	2049	B21D005/01.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:22
S77	376	B21D005/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:23
S78	2219	B21D005/02.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:23
S79	982	B21D005/04.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:23
S80	1638	B21D5/04.cipg.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:23

S81	2591	B21D5/02.cipg.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:23
S82	2061	B21D5/01.cipg.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:23
S83	2572	B21D5/00.cipg.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:23
S84	13129	S76 or S77 or S78 or S79 or S80 or S81 or S82 or S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:24
S85	216	S84 and split	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:24
S86	113	S71 and press\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:24
S87	700	S70 or S86	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:24
S88	171	S85 not S87	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:24
S89	871	S85 or S87	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:45
S90	2	("20070271987").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 14:45

591	176	(US-20070271987-\$ or US-20090120156-\$ or US-20090024246-\$ or US-20080066510-\$ or US-20070191199-\$ or US-20040157715-\$ or US-20030092547-\$ or US-20050022577-\$ or US-20080066520-\$). did. or (US-6959573-\$ or US-6937920-\$ or US-5882285-\$ or US-5451195-\$ or US-7392678-\$ or US-7007530-\$ or US-6796155-\$ or US-6823708-\$ or US-7029429-\$ or US-6886386-\$ or US-6843760-\$ or US-6780145-\$ or US-6758797-\$ or US-6656099-\$ or US-6416449-\$ or US-6024681-\$ or US-5894754-\$ or US-5410904-\$ or US-5366431-\$ or US-5330409-\$ or US-5168745-\$ or US-5134873-\$ or US-4945629-\$ or US-4680955-\$ or US-4656861-\$ or US-4581917-\$). did. or (US-4530148-\$ or US-4188815-\$ or US-4020668-\$ or US-3834218-\$ or US-4304041-\$ or US-4387502-\$ or US-3241345-\$ or US-3234648-\$ or US-7632224-\$ or US-6497642-\$ or US-6419614-\$ or US-6047579-\$ or US-5755653-\$ or US-5727415-\$ or US-5619913-\$ or US-5582062-\$ or US-5458057-\$ or US-5364328-\$ or US-5337594-\$ or US-5219319-\$ or US-5121538-\$ or US-4930332-\$ or US-7213438-\$ or US-5941116-\$ or US-5927134-\$ or US-5983688-\$ or US-5996389-\$). did. or (US-5934134-\$ or US-5775156-\$ or US-5642639-\$ or US-6170314-\$ or US-4722214-\$ or US-4660402-\$ or US-4532792-\$ or US-5313814-\$ or US-4112731-\$ or US-4089198-\$ or US-3359771-\$ or US-2302958-\$ or US-3995470-\$ or US-3945230-\$ or US-3921887-\$ or US-3841141-\$ or US-3157283-\$ or US-	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/09/01 14:54
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7324868-\$ or US-7117711-\$ or US-
5878619-\$ or US-7401491-\$ or US-
3474657-\$ or US-0271178-\$ or US-
5868024-\$ or US-6450004-\$ or US-
6151951-\$ or US-5619885-\$).did. or (US-
5067340-\$ or US-4658625-\$).did. or (US-
3417601-\$).did. or (EP-1658908-\$ or EP-
1563921-\$ or EP-577068-\$ or DE-3833072-
\$ or DE-3830488-\$ or WO-16922-\$ or DE-
4225108-\$).did. or (JP-2003225710-\$ or
JP-2001205338-\$ or JP-11000718-\$ or JP-
05007936-\$ or JP-06304660-\$ or JP-
07275941-\$ or JP-09108738-\$ or JP-
10225724-\$ or JP-06234018-\$ or JP-
06142814-\$ or JP-06007851-\$ or JP-
56011127-\$ or JP-2001150032-\$ or JP-
11010235-\$ or JP-09085349-\$ or JP-
07100540-\$ or JP-05154558-\$ or JP-
06000552-\$ or JP-04231127-\$ or JP-
59225827-\$ or JP-06079359-\$ or JP-
02229621-\$ or JP-02160120-\$ or JP-
02055622-\$ or JP-01157720-\$ or JP-
63295018-\$).did. or (JP-2008194714-\$ or
JP-2005007410-\$ or JP-2004337950-\$ or
JP-2004130381-\$ or JP-2003181540-\$ or
JP-2002079328-\$ or JP-2001137951-\$ or
JP-10263709-\$ or JP-10263707-\$ or JP-
08174078-\$ or JP-08174077-\$ or JP-
08071653-\$ or JP-07275940-\$ or JP-
05212447-\$ or JP-05212446-\$ or JP-
02268924-\$ or JP-02268923-\$ or JP-
02080122-\$ or JP-01289512-\$ or JP-
01154822-\$ or JP-63174726-\$ or JP-
63119931-\$ or JP-62212022-\$ or JP-
62212021-\$ or JP-62212020-\$ or JP-
61283421-\$ or JP-61206527-\$).did. or (JP-
61206526-\$ or JP-61092732-\$ or JP-
58016732-\$ or JP-58016731-\$).did. or (JP-
08318317-\$ or US-5443166-\$ or KR-
2009102931-\$ or WO-2009117756-\$ or EP-

		2138247-\$ or NL-1029416-\$ or KR-2002006845-\$ or FR-2783447-\$ or DE-4225108-\$ or DE-4021346-\$ or DE-4036307-\$ or DE-3824734-\$ or DE-3519885-\$ or JP-57181725-\$ or JP-2002079328-\$ or JP-10263709-\$ or JP-10211521-\$ or JP-10263707-\$ or US-4722214-\$ or EP-186909-\$).did.				
S92	1	(US-20070271987-\$).did.	US-PGPUB	OR	ON	2010/09/01 14:56
S93	88	(US-20070271987-\$ or US-20070191199-\$).did. or (US-7632224-\$ or US-7029429-\$ or US-6886386-\$ or US-6843760-\$ or US-6780145-\$ or US-6758797-\$ or US-6656099-\$ or US-6497642-\$ or US-6419614-\$ or US-6416449-\$ or US-6047579-\$ or US-6024681-\$ or US-5894754-\$ or US-5755653-\$ or US-5727415-\$ or US-5619913-\$ or US-5582062-\$ or US-5458057-\$ or US-5410904-\$ or US-5366431-\$ or US-5364328-\$ or US-5337594-\$ or US-5330409-\$ or US-5219319-\$ or US-5168745-\$ or US-5134873-\$).did. or (US-5121538-\$ or US-4945629-\$ or US-4930332-\$ or US-4680955-\$ or US-4658625-\$ or US-4656861-\$ or US-4581917-\$ or US-4530148-\$ or US-4387502-\$ or US-4304041-\$ or US-4188815-\$ or US-4020668-\$ or US-3995470-\$ or US-3945230-\$ or US-3921887-\$ or US-3841141-\$ or US-3834218-\$ or US-3241345-\$ or US-3234648-\$ or US-3157283-\$).did. or (EP-1658908-\$ or WO-16922-\$ or DE-4225108-\$ or DE-3833072-\$ or DE-3830488-\$).did. or (JP-2001150032-\$ or JP-11010235-\$ or JP-11000718-\$ or JP-10225724-\$ or JP-09085349-\$ or JP-07275941-\$ or JP-07100540-\$ or JP-06304660-\$ or JP-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/09/01 14:56

		06234018-\$ or JP-06142814-\$ or JP-06007851-\$ or JP-06000552-\$ or JP-05154558-\$ or JP-05007936-\$ or JP-04231127-\$ or JP-02268924-\$ or JP-02268923-\$ or JP-63119931-\$ or JP-62212022-\$ or JP-62212021-\$ or JP-59225827-\$ or JP-56011127-\$).did. or (KR-2009102931-\$ or EP-2138247-\$ or NL-1029416-\$ or KR-2002006845-\$ or FR-2783447-\$ or JP-08318317-\$ or US-5443166-\$ or DE-4225108-\$ or DE-4021346-\$ or DE-4036307-\$ or DE-3824734-\$ or DE-3519885-\$ or JP-57181725-\$).did.				
S94	1330	(72/446-447).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/01 14:59
S96	313	S94 and (((punch\$4 or die or tool\$4 or mold\$4 or mould\$4) near3 (exchang\$5 or interchang\$5 or replac\$5 or chang\$5)) or ATC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 14:59
S97	235	S96 not S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 15:00
S98	240	S94 and (magazine or stor\$4 or rack\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 15:02
S99	67	S97 and S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/01 15:03

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